



TENNESSEE DEPARTMENT OF  
**EDUCATION**  
DIVISION OF CAREER AND TECHNICAL EDUCATION

### Resource List – Science, Technology, Engineering, & Mathematics

Resource	Author / Publisher	Location	Notes
<b>Engineering Go For It!</b>	American Society for Engineering Education	<a href="http://www.egfi-k12.org/">http://www.egfi-k12.org/</a> ; <a href="http://teachers.egfi-k12.org/">http://teachers.egfi-k12.org/</a>	Consists of teaching resources such as lesson plans, class activities, outreach programs, and web resources.
<b>STEM Classroom Archive</b>	National Science Teachers Association	<a href="http://www.nsta.org/publications/archive-stem.aspx">http://www.nsta.org/publications/archive-stem.aspx</a>	Forum for ideas and resources for middle and high school STEM teachers
<b>Freebies for Science Teachers</b>	National Science Teachers Association	<a href="http://www.nsta.org/publications/freebies.aspx">http://www.nsta.org/publications/freebies.aspx</a>	Free resources for the K-12 STEM classroom.
<b>NCTM Lessons and Resources</b>	National Council of Teachers of Mathematics	<a href="http://www.nctm.org/resources/default.aspx?id=230">http://www.nctm.org/resources/default.aspx?id=230</a>	Includes teaching resources such as lessons by theme, problems by grade and topic, teaching tips, and parent and family resources.

<b>TeachEngineering</b>	Collaborative project between faculty, students, teachers associated with five universities, American Society of Engineering Education and the National Science Foundation	<a href="http://www.teachengineering.org/">http://www.teachengineering.org/</a>	Digital library collection of standards-based engineering curricula for use by K-12 teachers and engineering faculty.
<b>National Geographic Education</b>	National Geographic	<a href="http://education.nationalgeographic.com/education/stem-education/?ar_a=1">http://education.nationalgeographic.com/education/stem-education/?ar_a=1</a>	Includes teaching resources and references and news (articles for students) related to STEM education and geo-literacy. Resources can be used to meet standards in Introduction to Geographic Information Sciences (GIS) course.
<b>GeoTech Resources</b>	National GeoTech Center of Excellence	<a href="http://www.geotechcenter.org/Resources/Resource-Center">http://www.geotechcenter.org/Resources/Resource-Center</a>	Geographic Information Science (GIS) geospatial technology teaching resources such as best practices, data sources, technology, textbooks, curriculum, organizations, case studies, and career pathways. These resources can be used to meet standards in Introduction to Geographic Information Sciences (GIS) course.
<b>Design Squad Nation</b>	WGBH Educational Foundation	<a href="http://pbskids.org/designsquad/parentseducators/">http://pbskids.org/designsquad/parentseducators/</a>	Teaching resources such as activities, lesson plans, animations, and video profiles. The goal of Design Squad is to give students a stronger understanding of the design process, and the connection between engineering and the things we all use in everyday life.